

### AMENDMENTS

#### In the Claims:

1. (Currently Amended) A hip prosthesis comprising a shaft configured to be inserted into a femur and a femoral neck extending medially relative to an implanted position of the prosthesis in the femur, the shaft having a proximal part configured to be inserted in a metaphyseal region of the femur which comprises projecting fins on front and rear faces of the proximal part, each fin extending from a distal end of the proximal part to a proximal end of the proximal part and having a steep medial flank ~~[[on]]~~ oriented in a medial portion of the proximal part direction relative to the implanted position, ~~that deviates away from a direction of a longitudinal axis of the shaft and at the top is inclined toward the femoral neck~~ the width of the fins increasing from the distal end to the proximal end of the proximal part, the height of the fins decreasing in a lateral direction, relative to the implanted position and perpendicular to a longitudinal axis of the shaft, from an edge delimiting the steep flank.

2. (Previously Presented) The prosthesis as claimed in claim 1, wherein the fins extend rectilinearly at an angle of 5 to 15° with respect to the longitudinal axis of the shaft.

3. (Currently Amended) The prosthesis as claimed in claim 1 or 2, wherein the height of the fin above the surface of the shaft increases from ~~a bottom portion of the prosthesis upward~~ the distal end to the proximal end of the proximal part.

4. (Previously Presented) The prosthesis as claimed in claim 1 or 2, wherein the height of the lateral edge of the fin is not greater than half the height of the medial edge.

5. (Previously Presented) The prosthesis as claimed in claim 1 or 2, further comprising a device for anchoring the endoprosthesis to a diaphysis.

6. (Previously Presented) The prosthesis as claimed in claim 3, wherein the height of the lateral edge of the fin is not greater than half the height of the medial edge.

7. (Previously Presented) The prosthesis as claimed in claim 3, further comprising a device for anchoring the endoprosthesis to a diaphysis.

8. (Previously Presented) The prosthesis as claimed in claim 4, further comprising a device for anchoring the endoprosthesis to a diaphysis.